

Notice of Allowability

Application No.

09/744,868

Applicant(s)

ARONSSON, HANNU

Examiner

Julian Chang

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 01/31/06.
2. ☒ The allowed claim(s) is/are 24-40.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☒ All b) ☐ Some* c) ☐ None of the:
 1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER

DETAILED ACTION

1. Claims 24-40 are pending.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicant's Attorney Rolf Fasth on the 23rd of March 2006.

3. The application has been amended as follows:

Claims 1-23. (Canceled)

24. (Currently amended) An information delivery system that is connected to communication networks, comprising:

an information receiving module in communication with a plurality of communication networks, the information receiving module is for receiving a message from a sender in communication with a first communication network and for converting the message into a form suited for information processing units in communication with the information receiving module;

Art Unit: 2152

detection means for detecting and distinguishing a first keyword from requested information in a first request of the converted message;

an information routing module in communication with the information receiving module, the information routing module receiving the converted message and using the first keyword for selecting a first information processing unit and using a second keyword for selecting a second information processing unit, the second keyword being different from the first keyword and the second information processing unit being different from the first information processing unit, the information routing module having directing means for selecting and directing the converted message to the first information processing unit based on ~~first key word~~ keyword received from the sender;

the first information processing unit having a database with a first command list;

the first information processing unit using the first keyword to identify the first command list;

the second information processing unit using the second keyword to identify the a second command list;

means for downloading the first and second command lists;

first processing means for performing commands listed in the downloaded first command list associated with the first keyword;

second processing means for performing commands listed in the downloaded second command list associated with the second keyword;

Art Unit: 2152

sending means for sending a reply with results of the performed commands;

an information sending module in communication with the first and second information processing units for converting the reply to a form suited for a receiver of the reply, the receiver being the sender or the receiver being in communication with a second communication network; and

a user interface in communication with the an information delivery server, the user interface having a terminal connected to the information delivery system for creating and maintaining a service product in the information delivery system.

25. (Previously amended) The information delivery system according to claim 24 wherein the information sending module is in communication with an information control module for receiving an answer therefrom for sending the reply via a sending module to the receiver of the reply.

26. (Currently amended) The information delivery system according to claim 24 wherein the first information processing unit is in communication with a plurality of networks and is adapted to fetch information requested in the message, from the plurality of networks or data-bases databases stored in the information delivery server.

27. (Previously amended) The information delivery system according to claim 24 wherein the first information processing unit is adapted to handle the

Art Unit: 2152

message and the information requested by means of a service product that has a command list program comprising a list of functions.

28. (Original) The information delivery system according to claim 27 wherein the command list program is stored a database of the information delivery server.

29. (Original) The information delivery system according to claim 24 wherein the first communication network is a wireless communication network.

30. (Currently amended) A method of delivering information to communication networks, comprising:

- providing a service product for fetching, processing or storing information;
- presenting an operation program of the service product as a first command list and a second command list of functions to be performed;
- associating the first command list with a first ~~key-word~~ keyword and the second command list with a second ~~key-word~~ keyword;
- storing the first command list and the second command list in a database;
- receiving a first message comprising the first ~~key-word~~ keyword from a first communication network;
- detecting and distinguishing the first ~~key-word~~ keyword from requested information in the first message;
- using the first keyword to select a first information processing unit;

Art Unit: 2152

using the second keyword to select a second information processing unit;
using the first keyword to select for the first command list in the first
information processing unit;
~~searching~~ using the second keyword to select for the second command list
in the second information processing unit;
finding and retrieving the first command list;
performing functions of the first command list;
fetching information requested in the first message;
preparing a first reply based on the fetched information;
converting the first reply to a first form suited for the first communication
network when the first reply is sent to the first communication network and
converting the first reply to a second form suited for a second communication
network when the first reply is sent to the second communication network; and
sending the first reply to the first communication network or to the second
communication network.

31. (Currently amended) The method according to claim 30 wherein the
method further comprises fetching information requested in the first message
from a plurality of networks or from a ~~data-base~~ database stored in the an
information delivery server.

32. (Previously amended) The method according to claim 31 wherein the
method further comprising processing the first message and fetching the

Art Unit: 2152

information requested by means of a the service product, including simple functions in a command list program, created in the information delivery system.

33. (Previously amended) The method according to claim wherein the method further comprises storing an information delivery product, comprising the information requested, in the database.

34. (Original) The method according to claim 33 wherein the method further comprises modifying the information delivery product with parameters added to fields of an information delivery product program.

35. (Original) The method according to claim 33 wherein the method further comprises describing a function of the information delivery product with a binary program module and transferring the binary program module to an information delivery system.

36. (Currently amended) The method according to claim 30 wherein the method further comprises describing a function of an information delivery product with a program stored in the first communication network.

37. (Original) The method according to claim 30 wherein the method further comprises storing data from a set of information delivery products in an information delivery server.

38. (Original) The method according to claim 30 wherein the method further comprises storing data about a user, the data excluding identification data of the user.

39. (Previously amended) The method according to claim 30 wherein the method further comprises constructing an information delivery product to conform to a mediated information and to prevent access to predetermined data in the first communication network.

40. (Previously amended) The method according to claim 30 wherein the method further comprises delaying the first reply prior to sending the first reply.

Allowable Subject Matter

4. The following is an examiner's statement of reasons for allowance:
Regarding claims 24, and 30, the prior arts of record singly or in combination fail to reasonably teach motivation and the combination of implementing an information routing module coupled to information processing units capable of selecting and directing a converted message to said information processing units based on the analysis of a keyword extracted from said converted message received from a sender, and said information processing units capable of

Art Unit: 2152

converting a reply into a plurality of suitable formats, wherein said suitable format is dependent on the destined communication network of said reply.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- a. U.S. Patent 5,428,771 – Networks having different communications protocols.
- b. U.S. Patent 6,549,937 – Multi-protocol communication in a computer network.
- c. U.S. Patent 6,850,991 – Distributing information to a diverse plurality of devices.

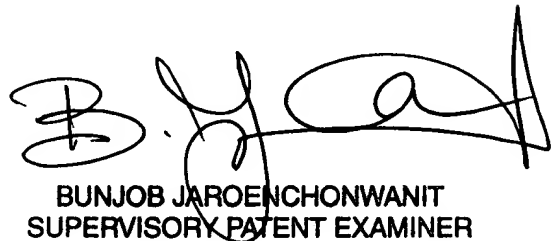
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian Chang whose telephone number is (571) 272-8631. The examiner can normally be reached on Monday thru Friday 8am to 4pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchoinwanit can be reached on (571) 272-

Art Unit: 2152

3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



BUNJOB JAROENCHONWANIT
SUPERVISORY PATENT EXAMINER